

Date: Thu, 14 Jan 93 12:35:02 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #60
To: Info-Hams

Info-Hams Digest Thu, 14 Jan 93 Volume 93 : Issue 60

Today's Topics:

Anybody want to talk about Clover?
Any comments about "Public" Field Day locations
BinHex- thank you
Boatanchors of old
DXing Software
FCC General Radiotelephone license in aviation
Iraq Activity?
Kenwood TS 850S/AT For Sale
Meaning of <SK> etc. for CW (2 msgs)
Midwest Digital Conference '93
New Icom 2mtr/220 dualbander
USCG cw changes
W1AW/QRP 1-16-93
WANTED: FT470 intermod comments

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 14 Jan 93 17:47:41 GMT
From: idacrd!tang!n4hy@uunet.uu.net
Subject: Anybody want to talk about Clover?
To: info-hams@ucsd.edu

>HAL has pretty much released the necessary information to clone CLOVER II.
>However, the modulation scheme (multicarrier Dolph - Chebyshev pulse) is
>patented (or pending). So, any cloning effort would depend on licensing.

I have told them repeatedly that pulse shaping filters on multicarrier QAM signals IS NOT PATENTABLE. It is prior art. I, and several others, have done prior work in this area. The last time I talked to them they were going for an implementation patent on their back off scheme. The patent for the pulse shaping filter (which is NOT optimal, see Karl Meinzer's papers (and patent) on R.S.M.) simply will not stand up. I personally hold the license for the North American rights to Meinzer's work. The AEA unit and the DSP-12 are completely capable of doing Clover if all it is is pulse shaped QAM with FEC on each carrier. I will state here for the record that you do not need the 16 bit A/D's Ray insists you need. Witness the Telebit trailblazer, which has 64 QAM on at least a quarter of its carriers, well controlled spectra and has 12 bit A/D's and D/A's in a codec, and uses a TMS320C10 generation chip with a 68000 and a gate array.

I sincerely hope that someone will do the work on either the AEA box or the LL Grace box to cause competition and drive down the price. I doubt that will happen since I am no longer doing any of the work in this area.

Clover is interesting, it is good work, and will improve with age as the code evolves and competition arises.

Bob McGwier

Date: Thu, 14 Jan 1993 15:00:38 GMT
From: usc!howland.reston.ans.net!spool.mu.edu!umn.edu!gaia.ucs.orst.edu!
news.cs.indiana.edu!babbage.ece.uc.edu!ucunix.san.uc.edu!morris@network.UCSD.EDU
Subject: Any comments about "Public" Field Day locations
To: info-hams@ucsd.edu

My group has routinely operated from one of the suburban parks in Cincinnati, part of the local Park Board districts (both city & county, interestingly enough). Each has a "shelter house" e.g. a covered patio with running water and 2 restrooms. The site we're using now has a nice broad "plaza" off to the west and the hillside drops off to the north and east, where there are tall pines along the ridgeline of the hill.

We usually use a big dipole with a tuner for one station, a delta loop for the other station, and a third loop or dipole-w/tuner for the novice station. The last two years we've erected a tower w/beam by bracing it along the chimney of the shelter and have gotten lots better scores!

Walk-ins are encouraged and we made the local shopper's-throwaway/neighborhood paper last year (including my daughter, working hard copying along at the Novice station--maybe this year she'll be an operator...). We photocopy and handout some info about Amateur Radio in general, Field Day and emergency preparedness in particular,

and have some message forms for later passing into the NTS system through the evening 2M net. We also truck out an old, battered signboard that has a list of ham slang and the meanings on it (CQ, QSL, etc.).

The park board is -very- cooperative in general although we have had problems with one employee at times who is just one of those types. Since we've moved to the current site, we've had no problems at all.

Theodore Allan (Ted) Morris, University of Cincinnati Medical Center, 513-558-0177V, 558-0758F, MORRIS@UCUNIX.SAN.UC.EDU, MORRISTA@UC.EDU, NTS WB8VNV. Call me up and I'll talk data to ya!

Date: Thu, 14 Jan 1993 19:08:37 GMT
From: swrinde!zaphod.mps.ohio-state.edu!usc!rpi!cary104.its.rpi.edu!
mellob@network.UCSD.EDU
Subject: BinHex- thank you
To: info-hams@ucsd.edu

thanks to the 10+ people who sent me info about Bin Hex and other similar programs.

-Brett mellob@rpi.edu

Date: 14 Jan 93 18:48:05 GMT
From: usc!howland.reston.ans.net!spool.mu.edu!olivea!sgigate!odin!
chuck.dallas.sgi.com!adams@network.UCSD.EDU
Subject: Boatanchors of old
To: info-hams@ucsd.edu

In article <1993Jan14.145109.2015@decabo.abo.dec.com>, brewer@anarky.enet.dec.com (John Brewer) writes:

|>
|> In article <1993Jan13.150111.9612@crd.ge.com>, mallick@crd.ge.com (John Mallick) writes...

|> >In article <1993Jan13.002930.19534@odin.corp.sgi.com>,
adams@chuck.dallas.sgi.com (Charles Adams) writes:

|> >
|> >I have got my old Johnson Ranger I running again, and am currently trying to get an old

```

|> >National NC-240D up an running as the receiver.  Going QSK using an old
Johnson T/R
|> >switch.  I don't think my card table is going to handle it.
|>
|> Let me know if you have questions on the Ranger. I have
|> three of them restored now!
|> /john
|>
|> -----
|> | John Brewer | Internet: brewer@anarky.enet.dec.com |
|> | wb5oau      | Packet   | wb5oau@wb2ars      |
|> -----

```

anyone on this net have/ have had a challenger? in all my years of operating cw, i never saw one of these rigs. was supposed to be super cw rig. transmitter only.

ciao, chuck k5fo

```

Date: Thursday, 14 Jan 1993 13:32:42 CET
From: usc!howland.reston.ans.net!paladin.american.edu!news.univie.ac.(!blekul11!
frmp11!dearn!esoc!wkoehler@network.UCSD.EDU
Subject: DXing Software
To: info-hams@ucsd.edu

```

Yes, Steve, I have been using the 2nd OP logging software for almost two years now and am quite happy with it.

As far as DX awards are concerned it takes care of DXCC, WAZ and the now obsolete Worked-all-Oblasts award, not more.

It's no good for contests (but you can import log files from CT or others; if you modify the latter properly). You can use it for running contacts (DXpedition style) or normal logging.

Packet radio access is provided, as well as the usual features like printing and labeling.

Full editing of log files is possible at any time.

It uses database files written in dBase. You can edit them if run them through a filefixing program like Norton's Filefix using dBase III plus or IV.

A program I can recommend.

73, Wolf.

DL3ZBJ, AB6EL, VK6BGV.

Date: Thu, 14 Jan 1993 19:37:06 GMT
From: usc!howland.reston.ans.net!paladin.american.edu!darwin.sura.net!sgiblab!
sgigate!odin!jerber.sandiego.sgi.com!jerryb@network.UCSD.EDU
Subject: FCC General Radiotelephone license in aviation
To: info-hams@ucsd.edu

In article <1993Jan13.213951.24970@Csl.Stanford.EDU>,
kawai@csl.Stanford.edu (goh kawai - n6uok) writes:

|> Dear all
|>
|> What is the practical significance of holding an FCC General
|> Radiotelephone
|> license as far as aviation is concerned?
|>
|> I understand that, as far as flying aircraft of U.S. registry within
|> the
|> U.S. is concerned, an FCC license is not required to operate the
|> aircraft's
|> radio. (The aircraft has its FCC station license, but the pilot does
|> not
|> need an FCC operator license.) When flying aircraft of U.S. registry
|> outside of the U.S., an FCC Restricted Radio Operator's license is
|> required.
|> Am I correct?
|>
|> I ask this question because at a local aviation store, they were selling
|> a
|> textbook for passing the FCC General Radiotelephone license, and the
|> implication was that an FCC General Radiotelephone license can be useful
|> in
|> aviation. Does this apply to technicians who check, maintain and
|> calibrate
|> aviation radio equipment on the ground? Or does it apply to radio
|> operators
|> in the air?
|>
|> I would appreciate any responses that might help clarify this issue. If
|> you
|> would prefer to send email to me rather than posting to the net, please
|> send
|> email to "kawai@speech.sri.com".
|>
|> Thank you very much.
|>

|> ----- Speech Research Program, SRI, Menlo Park, CA
|> 94025-3493 USA
|> --- Goh Kawai --- work:(415)859-2231 fax:(415)859-5984
|> home:(415)323-7214
|> ----- internet: kawai@speech.sri.com radio: n6uok and
|> 711fqe

There is no practical significance to a pilot by holding an FCC General Radiotelephone or FCC Operator's License. Pilots only need to insure that there is an FCC Station License on board the aircraft, for the particular aircraft he's flying. A station engineer or aircraft radio technician would find the General Radiotelephone license necessary, but that's about it.

I understand that when flying outside the U.S., you would want to have an FCC Operator's License.

--

~~~~~  
Jerry Bransford  
Silicon Graphics  
(619) 546-0409  
~~~~~

Date: 14 Jan 93 11:46:27 -0700
From: gumby!destroyer!cs.ubc.ca!mala.bc.ca!wagner@yale.arpa
Subject: Iraq Activity?
To: info-hams@ucsd.edu

In article <1993Jan13.180044.3868@panix.com>, kb7uv@panix.com (Andy Funk) writes:

[B> Has anyone heard any Amateur Radio or broadcast activity from Iraq, or
> relating to the imminent military action?

>

> I work at Channel 2 News in New York City, and was asked to try to find
> someone who has heard anything at all of this nature. (This can be good
> PR for ham radio!)

>

> So, if you're in the NYC area and have monitored anything of interest, or
> if you're outside the area and can feed audio over the telephone, please
> call the Channel 2 News Assignment Desk at 212-975-5867.

>

> Thanks and 73,

>

> Andy

> --

>

> ----- Andrew Funk, KB7UV -----
> | Chair, Radio Amateur Telecommunications Society (RATS) |
> | ENG Editor/Microwave Control, WCBS-TV Channel 2 News, New York |

> | Internet: kb7uv@panix.com Packet: kb7uv@kb7uv.#nli.ny.usa |

I've been monitoring 11.243 (usb) which is one of the military frequencies and so far it's just been a bunch of numbers, but I've been told this is one of the prime military frequencies in use.

73, Tom
AKA VE7GDA

Date: 14 Jan 93 16:17:14 GMT
From: auratek!epacyna@uunet.uu.net
Subject: Kenwood TS 850S/AT For Sale
To: info-hams@ucsd.edu

This unit is "mint". I have only used the TS 850S/AT about 50 hours (which is why I would like to sell it). Price is \$1,400 + shipping.

Ed Pacyna W1AAZ

tel: (617) 290-4800 days
email: ed@auratek.com

Date: Thu, 14 Jan 1993 18:16:42 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!linus!linus.mitre.org!mwvm.mitre.org!
m14494@network.UCSD.EDU
Subject: Meaning of <SK> etc. for CW
To: info-hams@ucsd.edu

In article <14JAN93.16280286@nauvax.ucc.nau.edu> cvm@nauvax.ucc.nau.edu
writes:

> I want to know what are the meanings of:

>

> <AS>

"Wait"

> <AR>

"Over" on initial callup, before acknowledgment from the called station

> <KN>

"Over only to called station", e.g., no break-ins desired

> <SK>

"End of work"

> <BT>

"Break", as in between message elements.

* These are my opinions only.*

Date: 14 Jan 93 18:46:31 GMT
From: usc!howland.reston.ans.net!spool.mu.edu!olivea!sgigate!odin!
chuck.dallas.sgi.com!adams@network.UCSD.EDU
Subject: Meaning of <SK> etc. for CW
To: info-hams@ucsd.edu

In article <14JAN93.16280286@nauvax.ucc.nau.edu>, cvm@nauvax.ucc.nau.edu writes:

|> I am starting to learn the code so I can upgrade to General. I am using
|> Supermorse and listening to some local CW practice on 2m. I want to know what
|> are the meanings of:

|>
|> <AS>
|> <AR>
|> <KN>
|> <SK>
|> <BT>

|>
|> I know some of these were on the Novice written test, but I usually don't
|> remember things memorized but not really used.

|>
|> -----
|> Chris Michels -- Systems Programmer cvm@nauvax.ucc.nau.edu
|> Northern Arizona University -- Flagstaff, AZ cvm@nauvax.bitnet
|> Phone: (602) 523-6495 N7YIU

<as> - wait, please stand by
<ar> - end of message or after call to a specific station
<kn> - invite to a specific named station to transmit - k5fo <kn> means
 k5fo only and all other stations standby
<sk> - end of contact. usually means station is not pulling the big switch
 and going qrt. use <cl> is you are going to quit and not come back
 to anyone for any reason.
<bt> - pause. i use a '-' if i copying by hand or stop typing if i'm on a mil

(typewriter to you critters ;-)

see the arrl handbook for the most common abbreviations.

all you cw guys can send me a list of your favorites and i'll summarize.
it's interesting to note that people who understand english and can spell
like cw. we also seem to be creative on abbreviations and short cuts.

73 es gl es cu agn. hv a gud day es tk care. gm es gud dx. dit dit

k5fo chuck

Date: Thu, 14 Jan 1993 18:49:49 GMT
From: usc!howland.reston.ans.net!sol.ctr.columbia.edu!src.honeywell.com!
skyler.mavd.honeywell.com!estey@network.UCSD.EDU
Subject: Midwest Digital Conference '93
To: info-hams@ucsd.edu

ATTENTION:
Please give this message the widest possible distribution.

14 January 1993

On Saturday, February 13th, the TwinsLAN Amateur Radio Club will sponsor
Midwest Digital Conference '93 from Noon until 8 PM at the West River Point
Business Center near downtown Minneapolis. This is the same day as the
Midwinter Madness Hamfest so plan on attending the hamfest in the morning -
and the Digital Conference in the afternoon and evening.

Emphasis for this second annual conference has been expanded to include all
forms of digital communications: Packet; RTTY; AMTOR/APLINK; PACTOR and
CLOVER. There will be plenty of information-packed sessions for both digital
communications beginners and experts.

Sessions will cover topics such as:
Beginning Packet; Wide-Area-Networks; Tri-LINK; local services such as
Metro-NET, CHAT nodes, and DX Clusters; PACTOR; Digital Signal Processing;
AMTOR and APLINK; TCP/IP; Satellite Gateways; and Future Software. Some
nationally reknowned speakers like Karl Medcalf (Kantronics) will appear
in person, others such as Joe Kasser (Lan-Link author) will make their
presentations by teleconference - plus many local experts will be sharing
their knowledge.

A superb dinner will be served from 5 to 6 PM - and will allow time to

socialize with fellow packeteers from all over the Midwest. The dinner will conclude with a drawing for many valuable prizes. After dinner a SYSOP/NETOPS forum with ARRL Dakota Division Director Howard Mark as moderator will take place to allow sharing common concerns. The final activity of the conference will be a panel discussion to wrap-up the various topics presented during the day. Throughout the conference, a software swap table will feature the latest shareware and public domain software.

Special reduced-price tickets are available for registrations made prior to the day of the conference. Only a limited quantity of tickets will be available at the Hamfest and at the conference door. For more information contact Paul Ramey, WG0G, 16266 Finland Avenue, Rosemount, MN 55068 or call (612) 432-1640 between 6 and 10 PM weekdays and 10 AM to 9 PM weekends.

Carl Estey		Home Mail Address: 276 Walnut Lane
Amateur Callsign: WA0CQG		Apple Valley, MN 55124
		Business Address: Honeywell Inc.
Phone: Work (612) 542-5136		Flight Systems & Test Operations M/S MN15-2370
FAX (612) 542-6003		1625 Zarthan Ave. S., St. Louis Park, MN 55416
Home (612) 432-0699		Packet: WA0CQG @ WA0CQG.#SOMSP.MN.USA.NA

The nonsense here is of my own making - no one else would want credit!

Date: Thu, 14 Jan 1993 19:17:55 GMT
From: usc!elroy.jpl.nasa.gov!swrinde!emory!kd4nc!n4tii@network.UCSD.EDU
Subject: New Icom 2mtr/220 dualbander
To: info-hams@ucsd.edu

Has anyone heard or seen any information about the new Icom IC-2330 ??
I think this is the correct model number. It is supposedly a new 2 mtr
220 dual bander. If anyone has any information, costs, features, mods, etc
for the rig, please let me know ... a follow here would be fine...or you can
send it to my address below.

John Reed
n4tii
UUCP: n4tii%kd4nc.uucp@gatech.edu
AMPR: n4tii@wb4huo.ga.usa.earth

Date: 14 Jan 93 18:21:18 GMT
From: usc!sdd.hp.com!caen!nic.umass.edu!m2c!bu.edu!wang!tossport!
lee@network.UCSD.EDU
Subject: USCG cw changes

To: info-hams@ucsd.edu

.....Just an FYI for those of us that like to monitor such things.....

U.S. COAST GUARD TO DISCONTINUE WATCHKEEPING ON THE DISTRESS
FREQUENCY 500 KHZ AND CEASE ALL MORSE CODE SERVICES

Effective August 1, 1993, all United States Coast Guard Communication Stations and Cutters will discontinue watchkeeping on the distress frequency 500 KHZ, and will cease all morse code services in the medium frequency radiotelegraphy band. More efficient telecommunication systems are now available to provide the mariner with options for initiating or relaying distress alerts, and passing and receiving maritime safety information. These options include INMARSAT, Radio Telex (SITOR), MF/HF single sideband and VHF radiotelephone, and satellite EPIRBS (for distress alerts and telecommunications), and INMARSAT SAFETYNET, Navtex Broadcasts include the same notices to mariners, weather, search and rescue and fixed fishing gear location products that have been provided by the MF morse broadcasts. Distress and other calls to any U.S. Coast Guard Communication Station can also be made on any of the following HF single sideband radiotelephone channels: 424 (4134 KHZ), 601 (6200 KHZ), 816 (8240 KHZ), or 1205 (12242 KHZ). Meteorological broadcasts are also made over these channels. We believe these options provide sufficient redundancy to ensure that adequate distress and safety coverage. Any comments regarding this discontinuance of MF morse telegraphy services can be sent to any Coast Guard Communications Station or direct to U.S. Coast Guard Headquarters:

Commandant (G-TTM)
U.S. Coast Guard
Washington, DC 20593
Telex: 892427 (COASTGUARDWSH)
Telefax: (202) 267-4106 or 267-4662

Lee

Date: 14 Jan 93 18:51:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: W1AW/QRP 1-16-93
To: info-hams@ucsd.edu

>Those not going to the QRP-NE club meeting at ARRL on
>Sat. January 16, dont forget to contact W1AW/QRP, around
>2 - 4 pm, on all QRP frequencies.

Although this meeting is open to QRP-NE members and guests,
new members are welcome with payment of QRP-NE membership dues; @ \$10/year.
(Includes pizza lunch). Meeting begins at 10AM, lunch ~ noon.

And don't forget to contact W1AW/QRP, Saturday 1900-2100 GMT (or UCT).
72 de Skip, NT1G QRP NE 143

Date: Sun, 10 Jan 1993 17:11:39 GMT
From: noc.near.net!lynx!random.ccs.northeastern.edu!acm139@uunet.uu.net
Subject: WANTED: FT470 intermod comments
To: info-hams@ucsd.edu

I am considering the purchase of a Yaesy FT470 HT in exchange for the FT530
I purchased for two reasons: 1) it will be cheaper; 2) I already own an FT411E
and have various accessories, making the switch to the 470 cost effective.

I would like any and all reports regarding how susceptible the 470 is to
intermod, especially on the 70cm side.

I live in the Boston, MA area.

Thanks much.

Also, how is battery life? I feel battery life on my FT411E is wonderful.
(I do have the Yaesu spec sheets for both FTx11 and FT470 radios.

=====
| Scott Ehrlich Internet: wy1z@splinter.coe.northeastern.edu |
| Amateur Radio: wy1z Packet Radio: wy1z@k1ugm.ma.usa.na
|
=====

Date: 14 Jan 93 11:16:18 CST
From: timbuk.cray.com!hemlock.cray.com!andyw@uunet.uu.net
To: info-hams@ucsd.edu

References <PHR.93Jan7190051@napa.telebit.com>, <1ilgetINN6pc@matt.ksu.ksu.edu>,
<104785@netnews.upenn.edu>ock.cray
Subject : Re: PC repeater controller

In article <104785@netnews.upenn.edu>, depolo@eniach.seas.upenn.edu (Jeff DePolo)

writes:

```
> In article <1ilgetINN6pc@matt.ksu.ksu.edu> steve@matt.ksu.ksu.edu (Steve
Schallehn) writes:
> >phr@telebit.com (Paul Rubin) writes:
> >
> >>Why can't someone make a repeater controller out of a simple
> >>personal computer (286 class), with maybe a relay box controlled...
>
> There is such a beast soon to hit the market. It's made by A-to-D (?)
> technologies. It uses a 286 with a hefty hard drive, some custom hardware,
> [...]
```

```
> 94.8 Hz PL - ask KJ6AL or WA3GMS about it).
```

We're planning on doing something similar on the W0BU repeater here in the Twin Cities. The hardware is a clone with a Soundblaster & a one off digital I/O card with DTMF & a hardware watchdog timer. This will only be an ancillary controller, which will do all the voice stuff. It will also collect statistics, which should help us know if there's a problem with one of the remote receivers (for example). The current plan is that it will run 386BSD.

Once we have the voice/sound stuff & statistics working, we'll see what other clever things we can get up to - anyone have any ideas ?

--

andyw. N0REN/G1XRL

andyw@aspen.cray.com Andy Warner, Cray Research, Inc. (612) 683-5835

Date: 14 Jan 93 17:19:50 GMT

From: usc!news.bbn.com!olivea!spool.mu.edu!uwm.edu!linac!convex!news.oc.com!
utacfd.uta.edu!news.uta.edu!hermes.chpc.utexas.edu!news.utdallas.edu!corpgate!
crchh327!bnr.ca!grier@network.UCSD.

To: info-hams@ucsd.edu

References <1993Jan13.221026.7540@ncsu.edu>, <1993Jan13.221614.7782@ncsu.edu>,
<stellabo.727010877@phage.cshl.org>rpgate

Subject : Re: Beginner's Rig

kevind@garfield.catt.ncsu.edu (Kevin J. Dunphy) writes:

```
>"Oh mighty net-news oracle..."
```

```
>
```

```
>What recommendations do you have for a newbie looking for some
>gear? I just passed the no-code tech tests this weekend, and
>would like to gain some net-wisdom before I sink mucho bucks into
```

>less-than-deserving hardware.
>
>My personal intention is to get a handheld to work the 2-meter
>repeaters in town (and out!). Questions:
>
>What does one look for in a handheld?
>
>What does one look for in USED equipment?
>
>Will I regret settling for a single-bander two weeks after
>I get on the air?
>
>Do I really need 1500 watts in a handheld?
>:-> :->
>
>etc.

Congradulations on you ticket! :)

I do not think a single band hand-held would be a problem, especially since you are at NCSU. I have an FT-470 and rarely use the 440mHz band. There are others around here that feel differently. The Cary repeater, 146.880, and the North Raleigh repeater, 146.640 are the most used repeaters around here.

I would look into the number of memories you think you need, twenty per band seems more than adequate around the Raleigh area. Another important feature is a low transmit power setting, saves the batteries, and easily swapped battery packs. I used to own a Tempo S1 two meter rig, the hassle of not being able to swap battery pack made the radio a lot less enjoyable, the lack of memories did not bother me as much as a battery dying in the middle of a ride to/from work.

Typically the 1 watt low power settings of most HTs is adequate, and every once in a while the 3 or 5 watt settings are needed. The best thing to do is make sure you get an outdoor antenna for you car/home.

Brian Grier, WS1S
Bell Northern Research
Research Triangle Park, NC

End of Info-Hams Digest V93 #60
